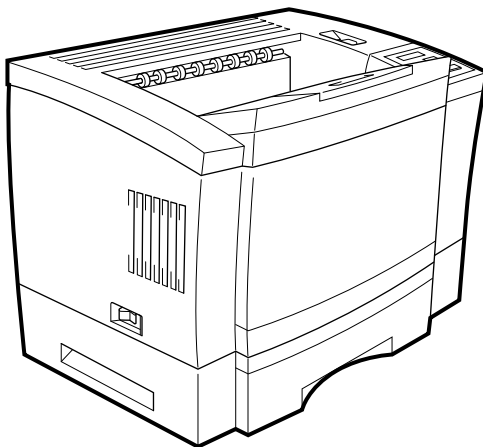




Printer Driver

PageWorks 20

USER'S MANUAL



for Microsoft Windows 95
for Microsoft Windows 3.1

Welcome

This Printer Driver User's Manual describes how to install and use the Minolta PageWorks 20 Printer Utility. Before reading this Printer Driver User's Manual, we recommend that you read the User's Manual. It explains how to set up and operate the printer.

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This printer includes the software developed by Tokyo Denshi Seikei K.K.

U.S.A. Technical Support

If you continue to experience technical difficulty with the operation of your printer product, please contact your support representative:

Toll free at 1-800-459-3250

or via our website at <http://www.minoltappd.com>.

Hours of operation and toll free nature of our support program is subject to change without prior notice.

Chapter 1 Printer Driver for Windows
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95

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Chapter 1

Printer Driver for Windows 95

Introduction

The Minolta PageWorks 20 printer utility was developed especially to provide true Windows based printing for users of the Minolta PageWorks 20 printer.

System Requirements

The following describes the minimum system requirements that are necessary to correctly run the Minolta PageWorks 20 printer utility.

Operating System:

Microsoft® Windows® 95 (English)

Personal Computer:

IBM PC or compatible with a 486SX 33MHz CPU, or faster CPU (Pentium processor recommended)

I/O Interface:

Standard PC parallel printer port and cable

Memory:

At least 12MB PC RAM (16MB recommended)

Free Disk Space:

Approximately 1MB for files

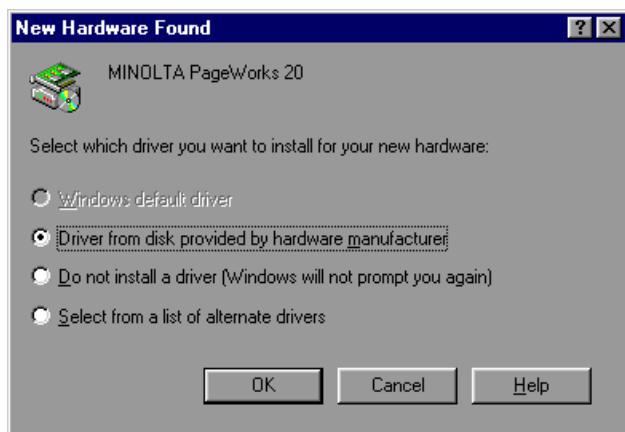
NOTE

Use of a poor quality parallel cable may adversely affect input.
--

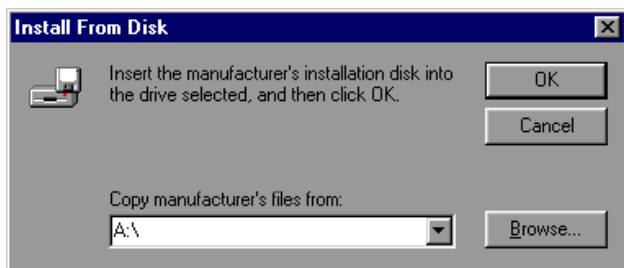
Installing the Printer Driver

Plug and Play

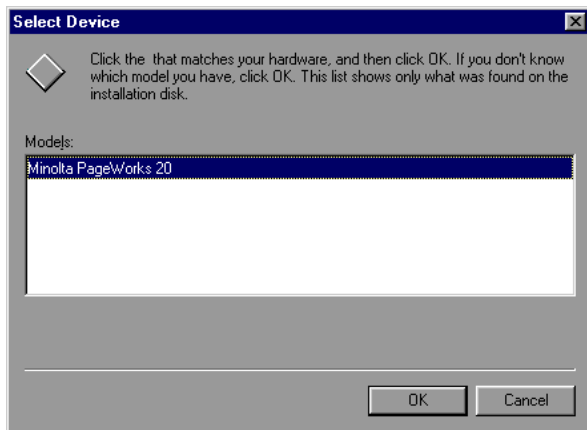
1. Connect the printer to the computer using the parallel interface cable.
2. Turn on your printer.
3. Turn on your computer and start up Windows 95.
If the New Hardware Found screen appears, go to step 4.
If not, go to “Manual Installation” step 2 on page 1-5.
4. Click “Driver from disk provided by hardware manufacture” and then click the **OK** button.



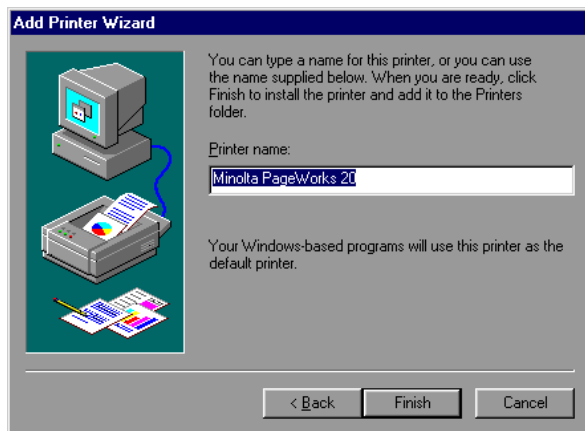
5. Insert the Windows 95 Printer Driver diskette into your computer's disk drive. After making sure the displayed drive letter is your computer's disk drive, click the **OK** button.



6. Click the **OK** button.



7. Click the **Finish** button.

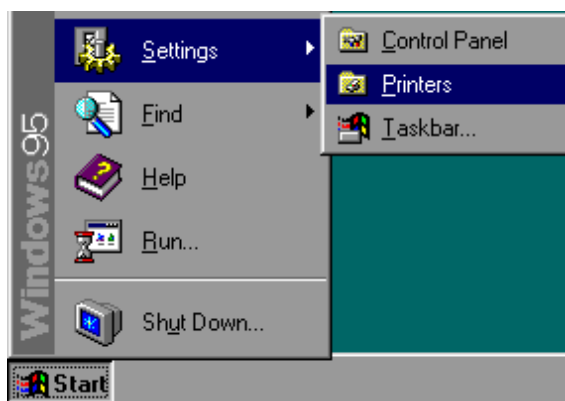


8. Installing the Printer Driver is completed. Your new printer icon appears in the Printers folder.



Manual Installation

1. Turn on your computer and start up Windows 95.
2. Click the **Start** Button, point to **Settings**, and then click **Printers**.



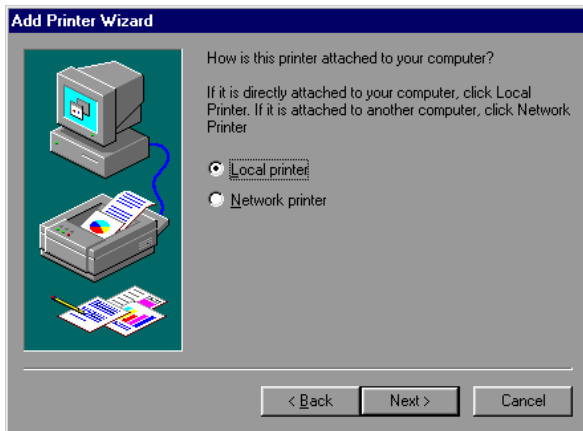
3. In the Printers folder, double-click the **Add Printer** icon.



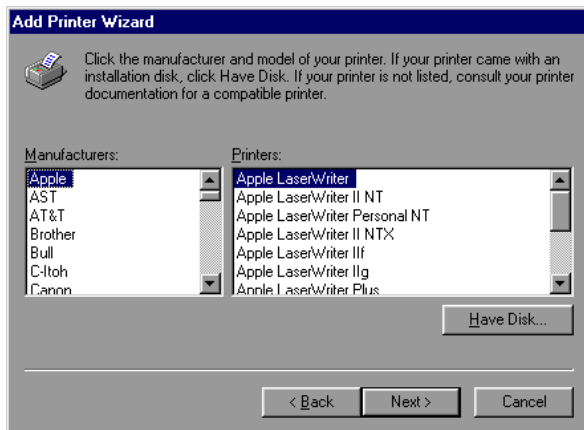
4. Click the **Next** button.



5. Select “Local printer”, then click the **Next** button.



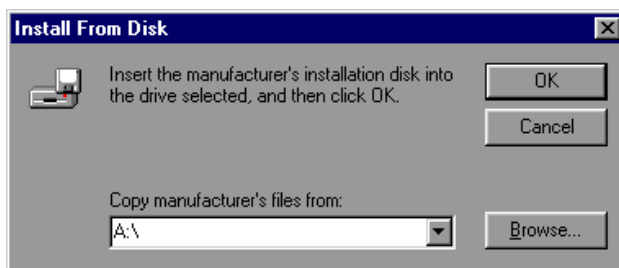
6. Click the **Have Disk...** button.



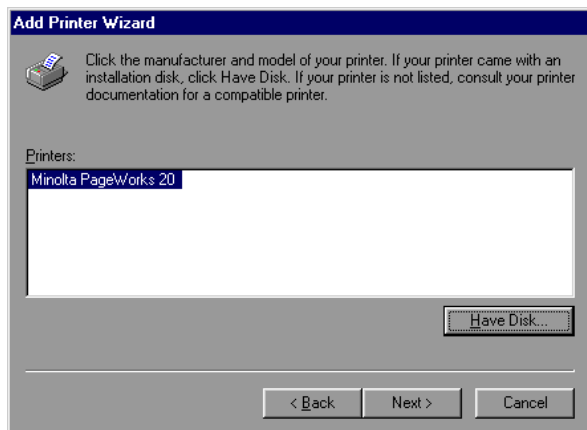
7. Insert the Windows 95 Printer Driver diskette into your computer's disk drive. At the command prompt, type the drive letter followed by a colon (:) and a back slash (\). For example:

A:

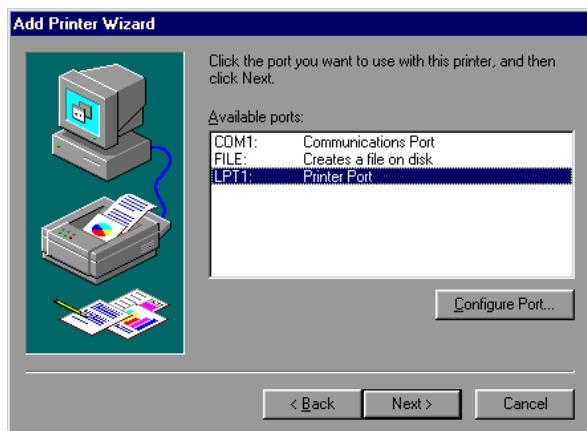
Click the **OK** button.



8. Click the **Next** button.



9. Make sure LPT1 is selected, then click the **Next** button.



10. Click the **Finish** button.



11. If you have already installed the printer driver, the following screen appears.

Check **Yes**, then click the **Finish** button.



12. Installing the Printer Driver is completed. Your new printer icon appears in the Printers folder.



Setting the Printing Options

Printing options are your printer-specific settings, such as resolution, print quality and installed options.

To change printer settings

1. Click the **Start** Button, point to **Settings**, and then click **Printers**. The Printers folder appears.
2. Click your printer icon, click **File**, and then click **Properties**. The printer properties window appears.
3. Make any necessary changes, then click the **OK** button.

General Button Operations

The following describes the operation of the three buttons that appear at the bottom of all setup dialog boxes.

Restore Default

Click this button to restore all settings in the displayed dialog box to their initial defaults.

OK

Click this button to close the printer properties window and save all the setting changes you made.

Cancel

Click this button to close the printer properties window without saving any of the changes you have made.

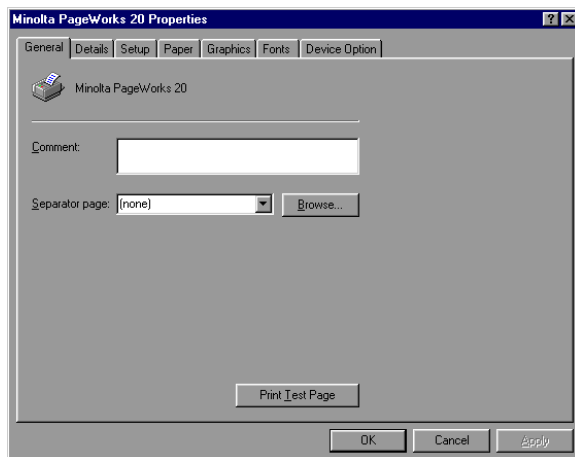
Apply

Click this button to send all the setting changes you made to the printer without closing the printer properties window.

Printer Properties Window

The following describes how to make settings using the dialog boxes that are available in this window.

General



Comment

Provides a place for you to add a comment about the printer, for example, when it is available or what it is used for.

If you share this printer, the comment is transferred when someone sets up your printer on their computer. However, if you change the comment, other people will not see the updated version.

Separator page

Inserts a page between each document printed. This is useful if many people are using your printer or if you are printing multiple documents at once. You can choose between a full page that includes graphics or a simple page with text only.

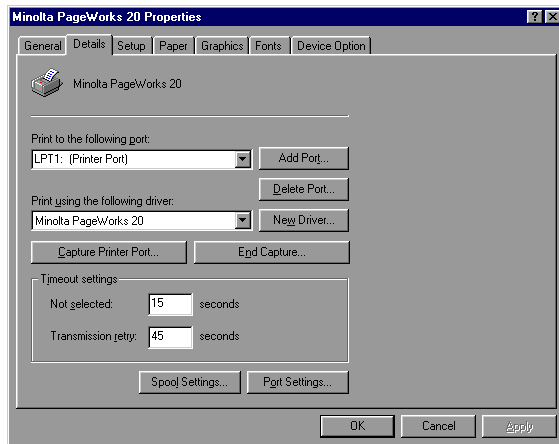
If you want to use a custom separator page, click Browse to locate and specify which separator file you want to print between documents. You can use any Windows metafile (.wmf) for a separator page.

You can set up separator pages only if the printer is attached directly to your computer.

Print Test Page

Click this button to send a test page to your printer. You might want to do this to make sure your printer is set up correctly.

Details



Port

Displays the port your printer is connected to or the path to the network printer you are using.

You can change where you print to by typing the network path here, by opening the list and clicking a port, or by clicking Add Port.

LPT A parallel port.

COM A serial port.

FILE Prints to a file instead of a printer. If the application you are working with supports this feature, you can print to a file even if you don't select this option.

Add Port

Click this button to add a new port or specify a new network path.

Delete Port

Click this button to delete a port from the list of available ports.

Driver

Displays the type of printer you are using. This type must match your printer or be one that your printer can emulate.

New Driver

Click this button to update or change your printer driver.

Capture Printer Port

Click this button to capture a port (map it to a network drive).

End Capture

Click this button to remove the mapping of a port from a network drive (end the capture).

Timeout

Timeout options control the amount of time that elapses before a message appears to notify you of printer problems.

Not Selected	Specifies how much time (in seconds) Windows will wait for the printer to come on-line before reporting an error.
Transmission Retry	Specifies how much time (in seconds) Windows will wait for the printer to be ready to print before reporting an error. If you have problems printing large documents, you may want to increase the value of this setting.

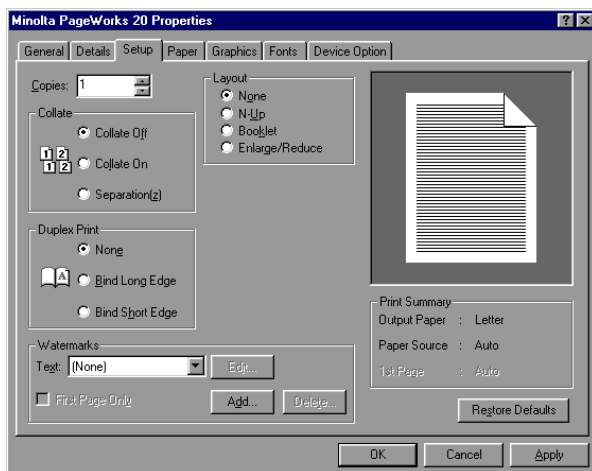
Spool Settings

Click this button to specify how your document is sent from your program to the printer.

Port Settings

Click this button to change settings for the printer port.

Setup



Copies

Specifies the number of copies you want to print. You can specify any value from 1 to 999.

Collate

Collate Off: When Collate is off, the printer prints each page of a job the number of times selected in the Copies item. For example, if you send a three-page job to print and set Copies to 2, the printer prints page 1, page 1, page 2, page 2, page 3, page 3.

Collate On: When Collate is on, the printer prints each print job the number of times selected in the Copies item. For example, if you send a three-page job to print and set Copies to 2, the printer prints page 1, page 2, page 3, page 1, page 2, page 3.

Separation: Allows you to insert a blank page between print jobs.

NOTE

If you specify **Separation**, you must also specify **JOB SEPARATION** in the tray1 paper size setting mode at the control panel.

NOTE

If you specify **Collate On** or **Separation** through the printer driver, be sure to set the collate setting of the application software to **off**.

Duplex Print

Specifies whether to print on both sides of the paper. If you attempt duplex printing, you can choose either Bind Long Edge or Bind Short Edge.

NOTES

- To activate this setting, you must change the setting for Duplex Unit in the Device Option dialog box from “Not Installed” to “Installed”.
- Do not use **special paper** (transparencies, labels, envelopes, letterhead and thick paper) for duplex printing.
- You cannot print on a **custom size smaller than A5 size** for duplex printing.

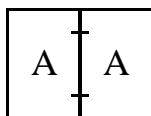
By creating a combination of Bind Long Edge, Bind Short Edge, Portrait, Landscape and N-Up, the printer prints upside down for odd-numbered pages and even numbered pages, or in the same direction for all pages.

	None or 4Up		2Up	
	Long Edge	Short Edge	Long Edge	Short Edge
Portrait	○	●	●	○
Landscape	●	○	○	●

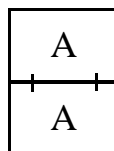
○: same direction ●: upside down

None: Performs one sided printing.

Bind Long Edge: Performs duplex printing for binding along the long edge.



Portrait

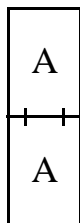


Landscape

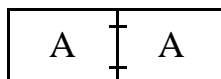
NOTE

When you print on a **custom size** with Bind Long Edge, the Layout function cannot be used.

Bind Short Edge: Performs duplex printing for binding along the short edge.



Portrait



Landscape

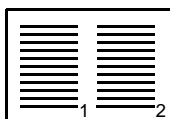
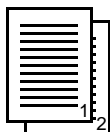
Layout

None: No layout specified.

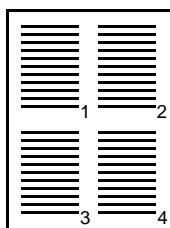
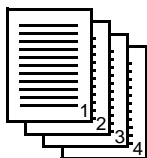
N-Up: Prints either two or four pages on a single sheet of paper.

Example: Portrait orientation.

2-Up

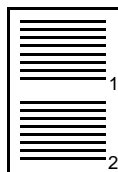
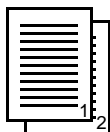


4-Up

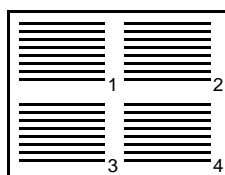
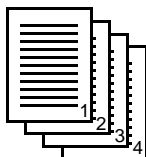


Example: Landscape orientation.

2-Up



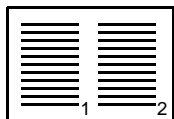
4-Up



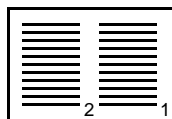
If you select N-Up, the following settings activate.

N-Up Choice: You can select twelve kinds of layouts.

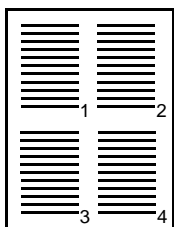
Example: Portrait orientation.



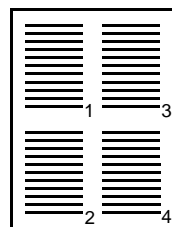
2-Up Ascending



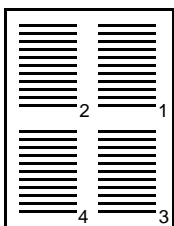
2-Up Descending



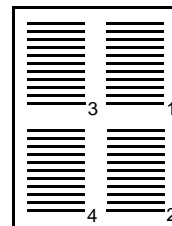
4-Up Hoz. Ascending



4-Up Ver. Ascending

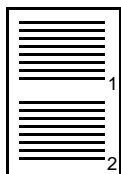


4-Up Hoz. Descending

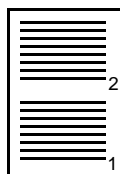


4-Up Ver. Descending

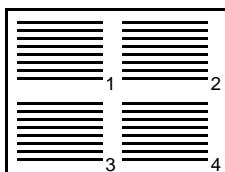
Example: Landscape orientation.



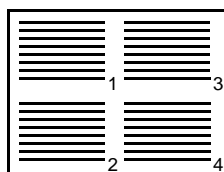
2-Up Ascending



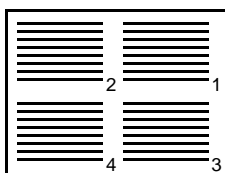
2-Up Descending



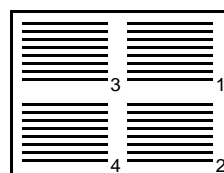
4-Up Hoz. Ascending



4-Up Ver. Ascending



4-Up Hoz. Descending



4-Up Ver. Descending

N-Up Paper: p x n -> paper size.

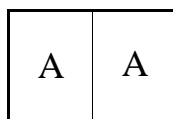
p: the paper size of the document.

n: N-Up

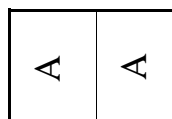
paper size: see “Paper Size” page 1-25.

Border Line: Specifies whether to print a border line.

Booklet: Tells the printer that the printed pages will be bound in the center. Enables booklet printing both for portrait and landscape orientation



Portrait



Landscape

NOTES

- To activate this setting, you must change the setting for Duplex Unit in the Device Option dialog box from “Not Installed” to “Installed”.
- When you perform booklet printing, set the Duplex Print setting in the Setup dialog box to “None”.

If you select Booklet, the following settings activate.

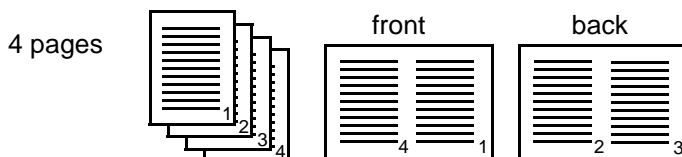
Booklet Choice: You can select either “Left Open” or “Right Open”.

Booklet Paper: p x 2 -> paper size.

p: the paper size of the document.

paper size: see “Paper Size” page 1-25.

Example: Portrait orientation.



Enlarge/Reduce: Performs enlargement or reduction printing according to the paper size you specify.

If you select Enlarge/Reduce, the following settings activate.

Enlarge/Reduce: p -> paper size.

p: the paper size of the document.

paper size: see "Paper Size" page 1-25.

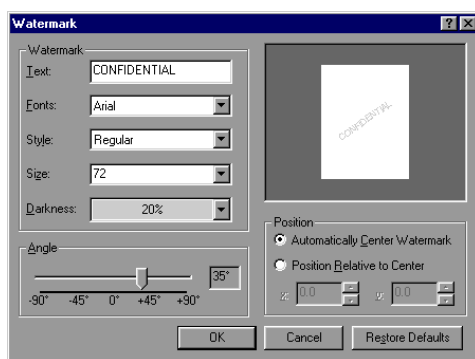
Watermark

Specifies which watermark to use. You will be able to add others, edit or delete the defined watermark.

Text: Lists the available watermarks from which you can select, edit or delete.

First Page Only: Prints the watermark on the first page only.

Click the Add or Edit button to display the watermark dialog box.



The following settings are available in the watermark dialog box.

Text: Displays the text of the selected watermark for editing or type in a watermark (up to 64 characters) you want to print.

Fonts: Specifies a font for the watermark you want to print on the page.

Style: Specifies a font style in the box. The font style varies with each font.

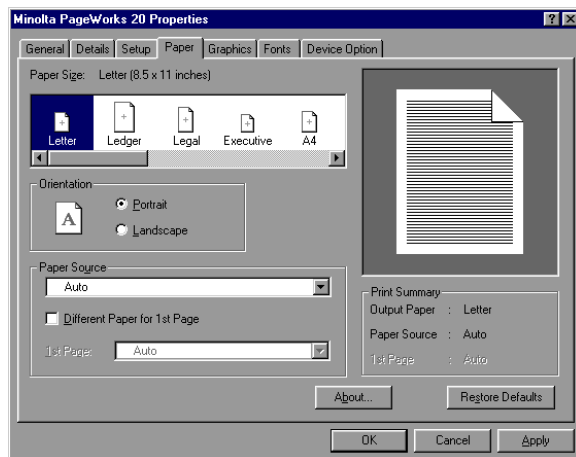
Size: Specifies a font size. You can set the font size between 4 to 127 points. If there is no point size in the box, you input the point size directly from the key pad.

Darkness: Specifies the darkness value of the watermark.

Angle: Specifies the angle at which the watermark will be displayed on the page.

Position: Tells the driver how to position the watermark. Automatically Center Watermark centers the watermark on the page. Position Relative to Center lets you specify x and y coordinates for the watermark relative to the center.

Paper



Paper Size

Specifies the paper size of document data. The following is a list of available paper sizes.

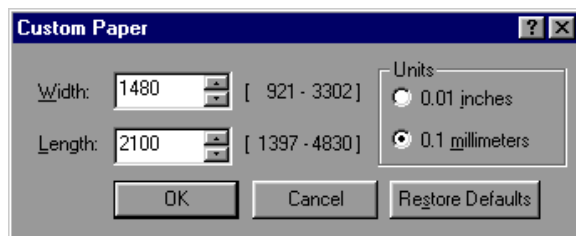
Paper	Size
Letter	8.5 x 11 inch
Ledger	11 x 17 inch
Legal	8.5 x 14 inch
Executive	7.25 x 10.5 inch
A4	210 x 297 mm
A3	297 x 420 mm
B4	257 x 364 mm
JIS B5	182 x 257 mm
COM-10 (envelope)	4.125 x 9.5 inch
DL (envelope)	110 x 220 mm
C5 (envelope)	162 x 229 mm
Monarch (envelope)	3.875 x 7.5 inch
ISO B5 (envelope)	176 x 250 mm
Custom	

Selecting Custom opens a dialog box that can be used to specify a paper size within the following ranges:

Unit	Width	Length
Inch	3.63 to 13.00"	5.50 to 19.02"
Metric	92.1 to 330.2mm	139.7 to 483.0mm

For example: specify A5 size (148 mm x 210 mm).

1. Open the Custom Paper dialog box.
2. Click "0.1 millimeters" in the Units box.
3. Type in "1480" in the Width box.
4. Type in "2100" in the Length box.
5. Click the OK button.



NOTES

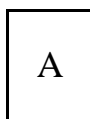
- Do not specify an **envelope size** (COM-10, DL, C5, Monarch and ISO B5) and a **custom size smaller than A5 size** for **duplex printing**.
- When you print on a custom size with the **Bind Long Edge**, the Layout function cannot be used.

Orientation

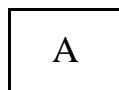
Selects the direction of the print on the page. You can select either Portrait or Landscape.

Portrait: Means the page is taller than it is wide when you view the printed text upright.

Landscape: Means the page is wider than it is tall when you view the printed text upright.



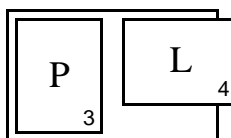
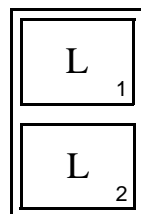
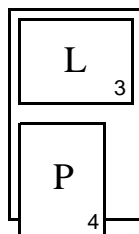
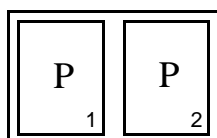
Portrait



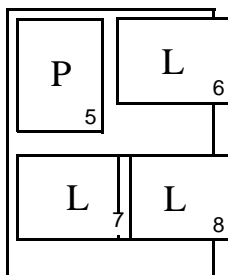
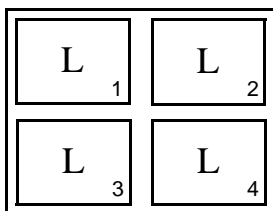
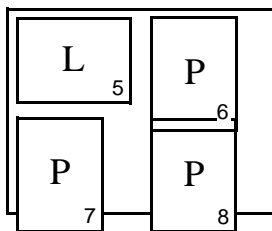
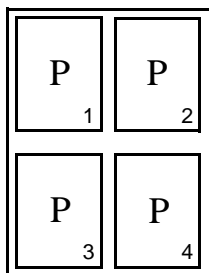
Landscape

When you print with 2-Up or 4-Up, the direction of the print is determined by the orientation setting for the first page for each printed sheet of paper.

For example: Print out 4 pages with 2-Up.

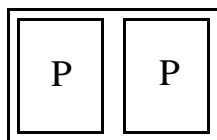


For example: Print out 8 pages with 4-Up.

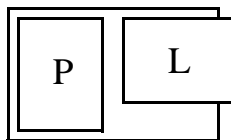


When you perform booklet printing, the direction of the print is determined by the orientation setting for the first page.

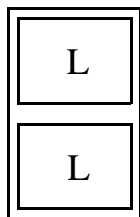
Example:



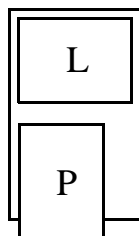
Portrait only.



Mixing Portrait and Landscape
(the first page is Portrait).



Landscape only.

Mixing Portrait and Landscape
(the first page is Landscape).

Paper Source

Specifies the paper source. If Auto is selected, the printer will automatically search all paper trays for the required paper size. At this time, the paper source is selected in the priority order of tray 2, tray 3 and tray 1.

Paper Souce
Auto Manual Feed Manual Feed (Transparency) Manual Feed (Thin Paper) Manual Feed (Envelope) Tray1 (Multipurpose) Tray2 (Upper) Tray3 (Lower)

Different Paper for 1st Page: Allows you to feed paper from another tray only for the first page.

NOTES

- If you set the Installable Options setting for tray 3 in the Device Option dialog box to “Installed” in spite of tray 3 not being installed, the prohibition mark for tray 3 will disappear. If you try to print the data with **tray 3**, the printer feeds paper from the tray that you specify as the paper source at the control panel.
- If you try to print the data with **tray 1** or **Manual Feed** in spite of tray 1 being set to **JOB SEPARATION** in the tray 1 paper size setting mode, the printer feeds paper from the tray that you specified as the paper source at the control panel.

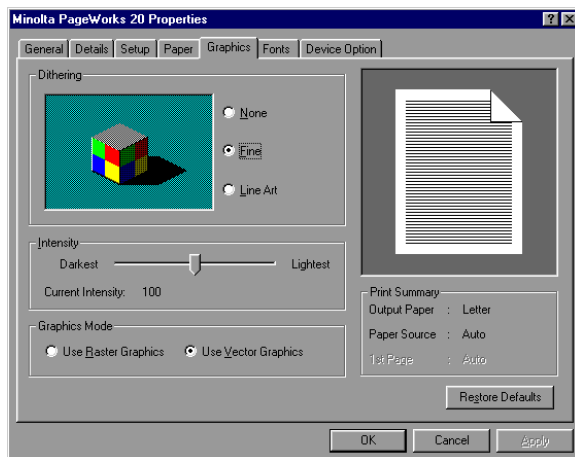
About

Click this button to display version and copyright information.

NOTE

The settings you make here may be overridden by the settings you make with your software application.

Graphics



Dithering

Specifies the type of dithering used in printing. Dithering produces gray shading in graphics

None: Click this button if you don't need any halftoning.

Fine: Click this button for printed images that you want to have a smooth, realistic and photographic appearance. The photographic images setting provides soft contrasts between various shades of gray. This setting also works well for images originally designed with color.

Line Art: Click this button for graphic images with intricate lines and fine detail, like clip art graphics. The Line Art images setting provides solid lines and sharp contrasts between shaded areas.

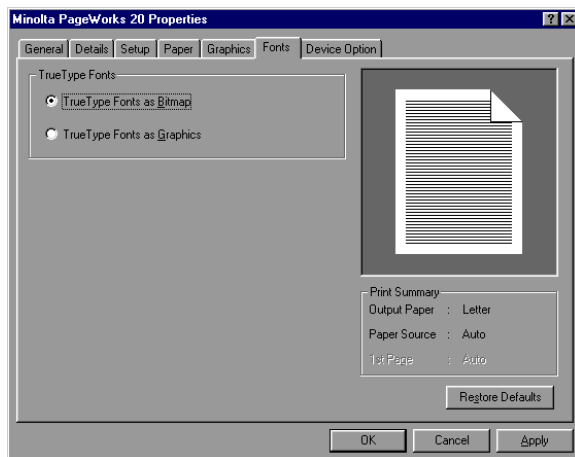
Intensity

Move this slider left or right to adjust the darkness of the graphic image.

Graphics Mode

With **Use Vector Graphics** in the Graphics Mode, you may be able to shorten the printing time of a document containing some graphics. However, if the printed result is different from what you see on the screen or the printing time is too long, select **Use Raster Graphics** instead.

Fonts



TrueType Fonts

Controls how TrueType fonts are printed.

Generally, downloading TrueType as Bitmaps speeds up printing. However, if your document contains graphics and you are not repeating the same text frequently on a page, use the Print TrueType As Graphics option. This option is also useful if you want to print graphics over text so that only the exposed part of a character is printed, or if you want characters clipped in cases where they are not visible on the screen.

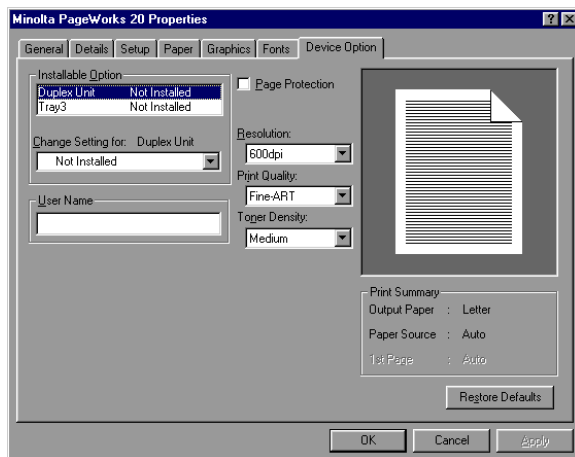
TrueType Fonts as Bitmap: Prints TrueType fonts as bitmap.

TrueType Fonts as Graphics: Prints TrueType fonts as graphics.

NOTE

To activate this setting, you must also specify **Use Raster Graphics** for the Graphics Mode in the Graphics dialog box.

Device Option



Installable Options

Lists the options that are available to you.

Change Setting for

Enables or disables the options available to you.

User Name

Type the user name of the print job up to 8 characters. This is sent with a print job to the printer and displayed in a status message or operator call message.

Page Protection

Page Protection allows you to make sure the entire page is processed before it is printed. If Page Protection is set to ON, printing speed may be slowed. If this option is unavailable, it means that your printer does not have enough memory to use page protection.

Resolution

Select 300 or 600 dpi (dots per inch) as the print resolution. Higher resolution prints more slowly but produces higher-quality graphics, whereas lower resolution prints faster but produces lower-quality graphics.

Print Quality

Specifies the text quality you want to use for your printed document.

Standard: Normal quality printing.

Fine-ART: Smooths the jagged edges of the printed image. More effective when printing at 600 dpi.

Toner Save: Toner save allows you to use less toner when printing.

Toner Density

Selects the density of the toner applied to the page. This setting can be fine-adjusted in 7 different steps.

Printing Documents

The way you print documents depends on the application you are using. Most Windows applications include a print command on the File menu that you can use to print the current document. When you print from a Windows application, the application uses the printer driver for your printer.

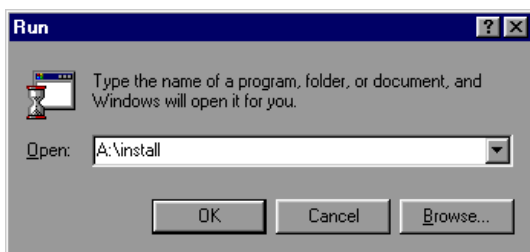
1. To print a document from a Windows application, open the application and the selected document.
2. Click Print from the File menu.
3. After verifying the contents of the printing settings, click the **OK** button. Printing starts.

Installing the Minolta Font Manager

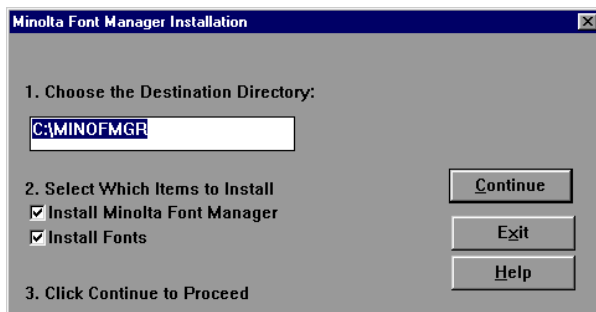
1. Turn on your computer and start up Windows 95.
2. Click the **Start** button, then click **Run....**
3. Insert the Minolta Font Manager diskette into your computer's disk drive. At the command prompt, type the drive letter followed by a colon (:), a backslash (\) and the phrase "install". For example:

A:\install

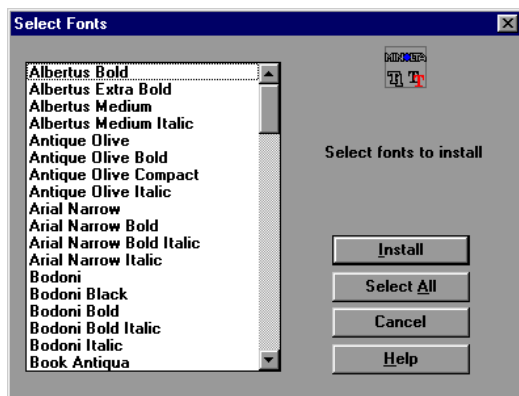
Click the **OK** button.



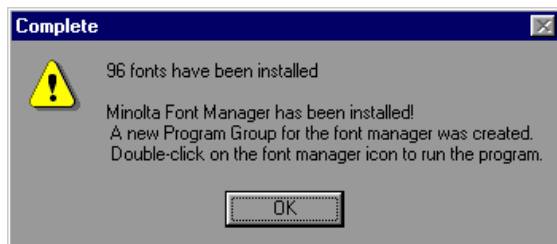
5. Follow the instructions on the screen.
6. The Minolta Font Manager Installation window appears. After verifying any changes you want in the set up, click the **Continue** button.



7. The Select Fonts window appears. Select the fonts you want to install, then click the **Install** button to start installation.



8. Click the OK button.



9. Installing the Minolta Font Manager is completed. The following folder appears.



Chapter 2

Minolta Status Monitor 20

Introduction

The Minolta Status Monitor provides you with instant information on the overall status of your printer. It also alerts you in case there is a problem with your printer.

- Printer status is visually displayed.
- Error and warning messages pop up automatically from the status icon when a problem occurs.
- An alarm is sounded when an error or warning occurs.
- A recommended course of action appears on the display when an error or warning occurs.
- The communication time out for networking can be specified.
- The monitoring interval can be specified.

System Requirements

The following describes the minimum system requirements that are necessary to correctly run the Minolta Status Monitor 20 utility.

Operating System:

Microsoft® Windows® 95 (English)

Personal Computer:

IBM PC or compatible with a 486DX2 33MHz CPU, or faster CPU (Pentium processor recommended)

Memory:

At least 12MB PC RAM

Free Disk Space:

Approximately 5MB for files

Printer:

Minolta PageWorks 20 printer

I/O Interface:

A Local (bi-directional parallel) connection except ECP mode*, or Network connection

*Obtaining the print status from the printer is restricted by Operating System.

Installing the Minolta Status Monitor

1. Turn on your computer and start up Windows 95.
2. Click the **Start** button, then click **Run....**
3. Insert the Minolta Status Monitor diskette into your computer's disk drive. At the command prompt, type the drive letter followed by a colon (:), a backslash (\) and the phrase "Setup". For example:

A:\Setup

Click the **OK** button.



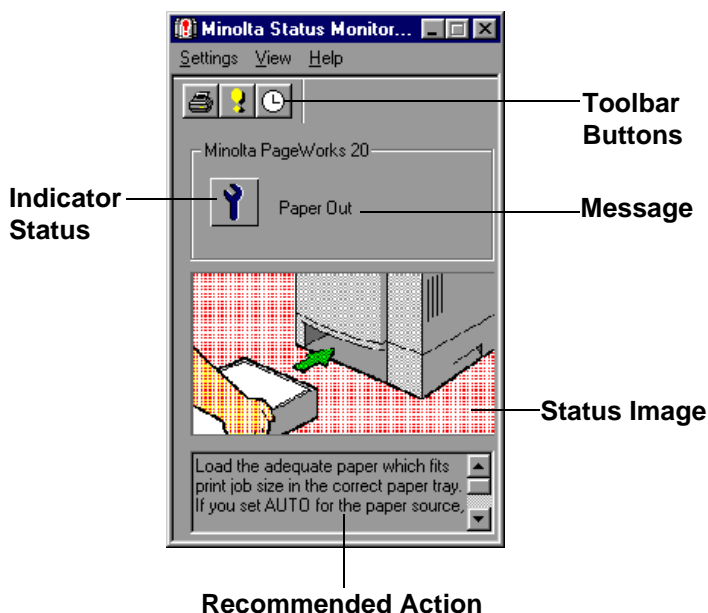
6. Follow the instructions on your screen.
7. The following folder appears.



8. To open the Minolta Status Monitor 20, click the **Start** button, point to **Programs**, point to **Minolta Status Monitor 20**, click **Minolta Status Monitor 20**.

Understanding the Status Monitor

The following explains each part of the status monitor in detail.



Toolbar Buttons: Click these buttons to open the Choose Printer, Alert or Monitoring Interval dialog box.

Indicator Status: Classifies the printer status into four categories.

Message: Displays the current printer status.

Status Image: Displays the current status image.

Recommended Action: Lets you know what to do.

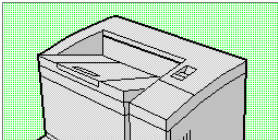
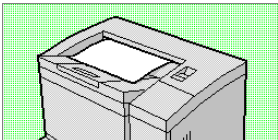
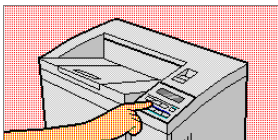
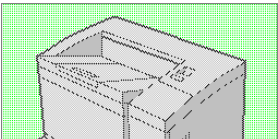
NOTE

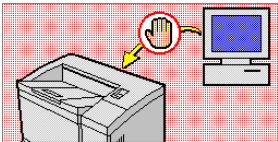
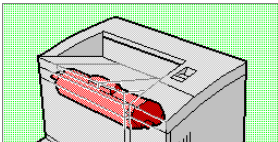
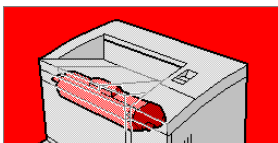
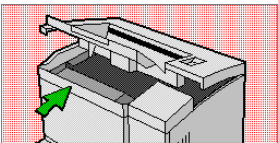
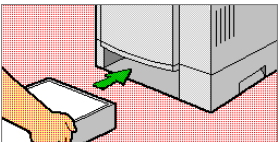
If you have already opened the status monitor window, you cannot open another status monitor window.

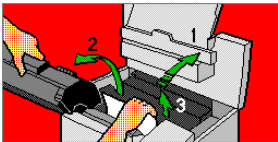

The following is a complete list of all messages that appear in the status monitor window through the Local or Network.

IMPORTANT

To use the status monitor through the Local, you must set the PC to the nibble mode. For more information, see your PC User's Manual.

Message & Meaning	Status Image & Classification	Local	Net-work
No Print Jobs The PC is not sending a print job to the printer.	 Normal	<input type="radio"/>	<input type="radio"/>
Printing The PC is sending a print job to the printer.	 Printing	<input type="radio"/>	<input type="radio"/>
Offline The printer is off-line.	 Error	<input type="radio"/>	<input type="radio"/>
Warming Up The printer is warming up.	 Warning	<input type="radio"/>	<input type="radio"/>

Message & Meaning	Status Image & Classification	Local	Net-work
Paused Printing The PC suspended sending a print job.	 Error	○	×
Toner Low The imaging cartridge is low on toner.	 Warning	○	○
Toner Empty The imaging cartridge is out of toner.	 Error	×	○
Cover Open The upper or duplex cover is open.	 Error	○	○
Paper Out There is no specified paper in the tray or no tray in the printer.	 Warning	○	○









Message & Meaning	Status Image & Classification	Local	Net-work
<p>Paper Jam</p> <p>The printer detected a paper misfeed inside the printer or paper size error.</p>	 <p>Error</p>	○	○
<p>Memory Overflow</p> <p>The printer received more data from the computer than it can fit into its internal memory.</p>	 <p>Memory Overflow: Warning Error: Error</p>	○	×
<p>Error</p> <p>The printer is off or detected an error condition (ROM, RAM, HDD, Network card, Fuser, Laser diode or Motor error, etc.).</p>		○	○

NOTES

- When the printer is off, depending on the PC you are using, the other message may be displayed.
- If displaying the Offline message when the printer is off, it is classified as a “Warning”.

Indicator Status and Status Icon

The indicator statuses and status icons are as follows.

Indicator Status	Status Icon
Normal 	
Printing 	
Warning 	
Error 	

The status monitor window can be minimized by clicking the minimize button on the titlebar. When minimizing the status monitor window, the status icon is posted at the right end of the taskbar. Even if the window is minimized, you can find the printer status that is classified into four categories. Double-clicking the icon can return the icon to the window.

Status Monitor Menus

Settings

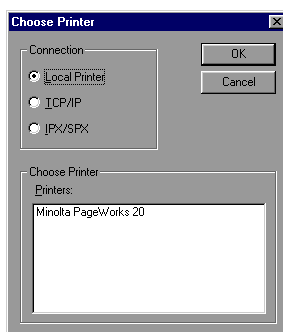
Choose Printer

Local Connection: Select Local Printer if the printer is connected directly to your computer.

Network Connection: Select either TCP/IP or IPX/SPX if the printer is connected through the network.

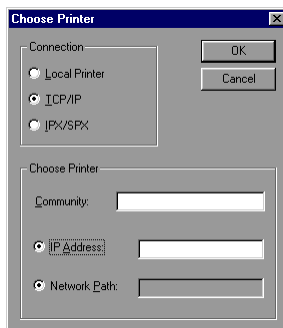
Local Printer

Select the printer you want to monitor from a list.



TCP/IP

Type the community name, IP address and network path. (Usually, type in “public” as the community name.)



IPX/SPX

Type the community name. (Usually, type in “public” as the community name.)



Alert

Specify how to let you know when a “Warning” or “Error” occurs.

Window Pop Up

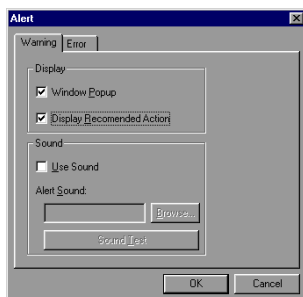
Specify whether the status monitor window automatically pops up when the detected printer status is classified as a “Warning” or “Error”. The status monitor window will display at the front of the screen if it is hidden behind another window. The status monitor will return to the window and display at the front of the screen if it has been minimized.

Display Recommended Action

Specify whether to display the recommended action.

Use Sound

Specify whether to alert with sound when detecting a “Warning” or “Error”.



Monitoring Interval

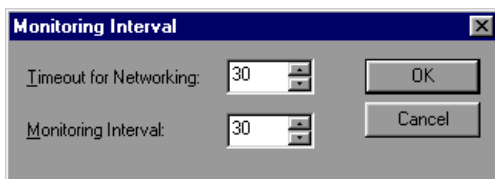
Specify the time interval to renew the printer status.

Time out for Networking

Determines the time to display “Error” when there is no response from the Network.

Monitoring Interval

Determines the communication interval for checking the printer’s status.



NOTES

- With a Local connection, the status monitor obtains the print status after printing starts.
- With a Network connection, it may take more than the specified time to obtain the print status.

View

Toolbar

Specify whether to display the toolbar in the window.

Recommended Action

Specify whether to display the recommended action in the window.

Refresh

Renews the status display.

Help

Help Topics

Gives you information about what you see on your screen.

About Minolta Status Monitor

Displays version and copyright information.

User Setting Items

The following table lists the user setting items.

	Item	Description
1	Communication interface Communication protocol	Local (Parallel), TCP/IP or IPX/SPX
2	Printer (Local)	Select from the Choose Printer box.
3	Printer address setting (TCP/IP)	Type the community name, IP address and network path.
4	Printer address setting (IPX/SPX)	Type the community name or select from the Printer List.
5	Warning (Window Popup)	Click the option button.
6	Warning (Display Recommended Action)	Click the option button.
7	Warning (Use Sound)	Click the option button.
8	Warning (Alert Sound)	Specify the file name
9	Error (Window Popup)	Click the option button.
10	Error (Display Recommended Action)	Click the option button.
11	Error (Use Sound)	Click the option button.
12	Error (Alert Sound)	Specify the file name.
13	Timeout for Networking	Specify the length of time.
14	Monitoring Interval	Specify the length of time.

MEMO

Chapter 3

Printer Driver for Windows 3.1

Introduction

The Minolta PageWorks 20 printer utility was developed especially to provide true Windows based printing for users of the Minolta PageWorks 20 printer.

System Requirements

The following describes the minimum system requirements that are necessary to correctly run the Minolta PageWorks 20 printer utility.

Operating System:

Microsoft® Windows® 3.1 (English) or later

Personal Computer:

IBM PC or compatible with a 386DX 16MHz CPU, or faster CPU (Pentium processor recommended)

I/O Interface:

Standard PC parallel printer port and cable

Memory:

At least 4MB PC RAM (8MB recommended)

Free Disk Space:

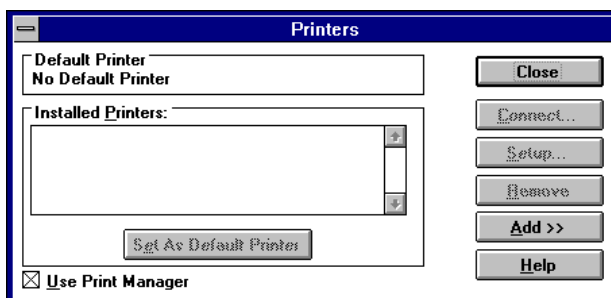
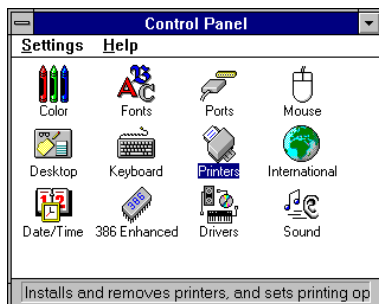
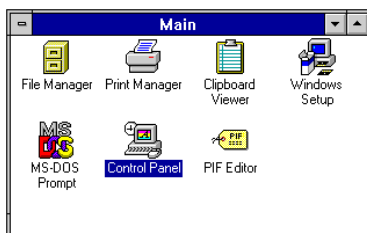
Approximately 1MB for files.

NOTE

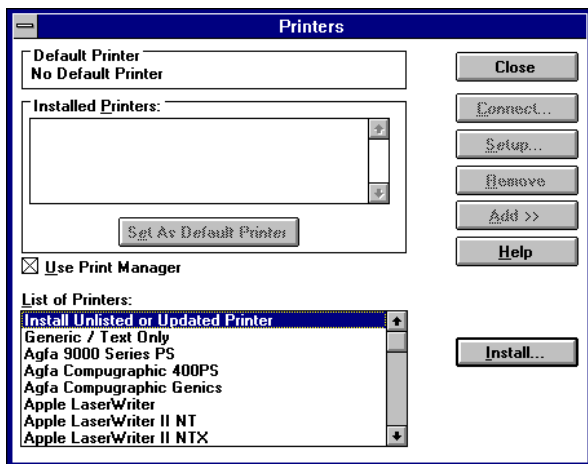
Use of a poor quality parallel cable may adversely affect input.
--

Installing the Printer Driver

1. Turn on your computer and start up Windows 3.1.
2. In the Main group, double-click **Control Panel**. The Control Panel window appears.
3. In the Control Panel window, double-click **Printers**. The Printers dialog box appears. Click the **Add>>** button.



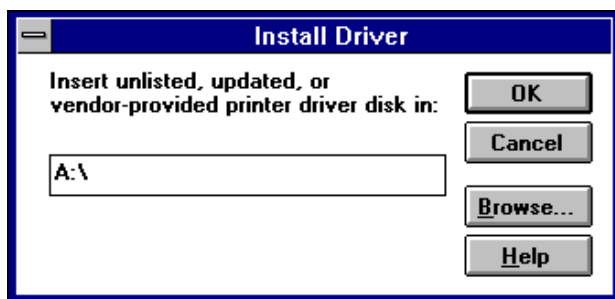
4. Select **Install Unlisted or Updated Printer** from the List of Printers, then click the **Install...** button.



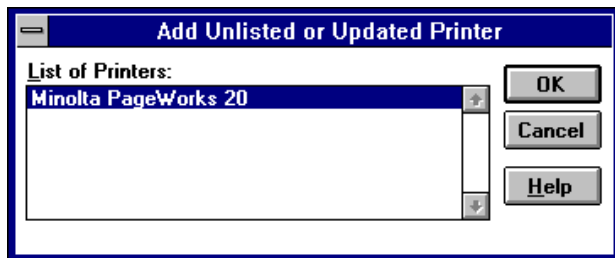
5. Insert the Windows 3.1 Printer Driver diskette into your computer's disk drive. At the command prompt, type the drive letter followed by a colon (:) and a backslash (\). For example:

A:

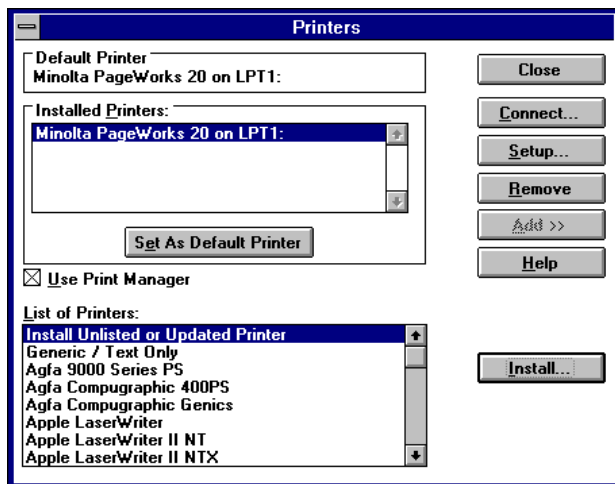
Click the **OK** button.



- Click the **OK** button.



- Installing the printer driver is completed. Your printer appears in the Installed Printers box.

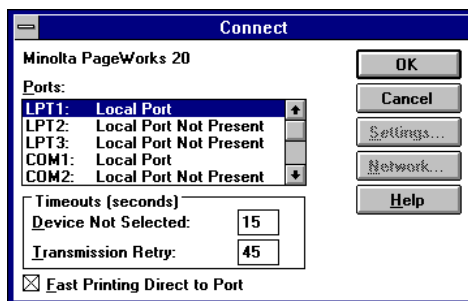


- Click the Close button.

Selecting the Printer Port

Change the printer port according to your needs.

1. If you are not already using the Printers dialog box, click Printer Setup from the Options menu. The Printers dialog box appears.
2. In the Installed Printers box, select the printer whose port assignment you want to change.
3. Click the **Connect...** button. The Connect dialog box appears.

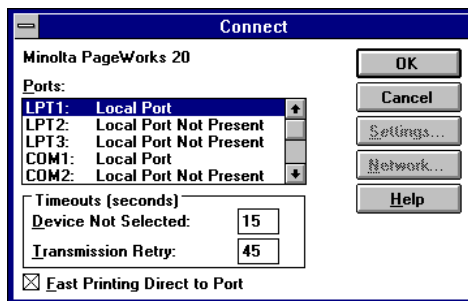


4. Select the port you want to assign the printer to.
 - LPT A parallel port.
 - COM A serial port.
 - EPT Used for the IBM Personal Pageprinter.
 - FILE Allows you to save print data to a file instead of printing directly to the printer.
5. Click the **OK** button. The Printers dialog box appears.
6. Click the Close button.

Selecting Timeout Options

Timeout options control the amount of time that elapses before a message appears to notify you of printer problems.

1. If you are not already using the Printers dialog box, click Printer Setup from the Options menu. The Printers dialog box appears.
2. Click the **Connect...** button. The Connect dialog box appears.



3. Change Timeout options as needed.

Device Not Selected	Controls the amount of time that Print Manager continues to check the printer to determine whether it is on-line and ready to print. If the printer is not ready to print after the specified amount of time has elapsed, a message appears, notifying you that the printer is off-line.
Transmission Retry	Controls the amount of time that elapses before a message appears to notify you that your printer cannot accept any more information. After the printer finishes processing the information it currently has, it clears its memory and is ready to accept more information.

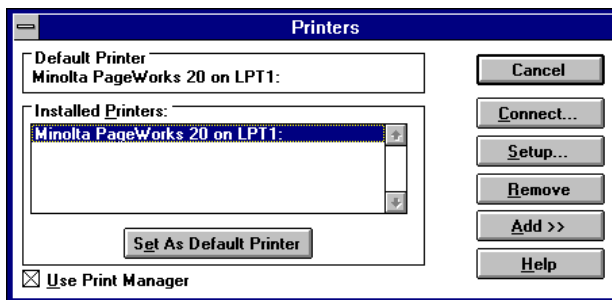
4. Click the **OK** button. The Printers dialog box appears.
5. Click the Close button.

Choosing a Default Printer

Many Windows applications use the default printer when you choose the Print command. Only one default printer can be selected at a time. If you have several printers installed, you can use the Printer Setup command whenever you want to change the default printer.

To select a default printer

1. If you are not already using the Printers dialog box, click Printer Setup from the Options menu. The Printers dialog box appears.
2. In the Installed Printers box, select the printer you want to use as the default printer.
3. Click the **Set As Default Printer** button. The printer name appears in the Default Printer area of the Printers dialog box.



4. Click the Close button.

Setting the Printing Options

Printing options are your printer-specific settings, such as resolution, print quality and installed options.

To change printer settings

1. In the Main group, double-click **Control Panel**. The Control Panel window appears.
2. In the Control Panel window, double-click **Printers**. The Printers dialog box appears.
3. Select your printer from the List of Installed Printers.
4. Click the **Setup...** button. The printer setup dialog box appears.
5. Make any necessary changes and then click the **OK** button. The Printers dialog box reappears.
6. Click the Close button.

General Button Operations

The following describes the operation of the three buttons that appear at the right side of all setup dialog boxes.

OK

Click this button to make your changes take effect and return to the previous screen.

Cancel

Click this button to ignore any changes you have made and return to the previous screen.

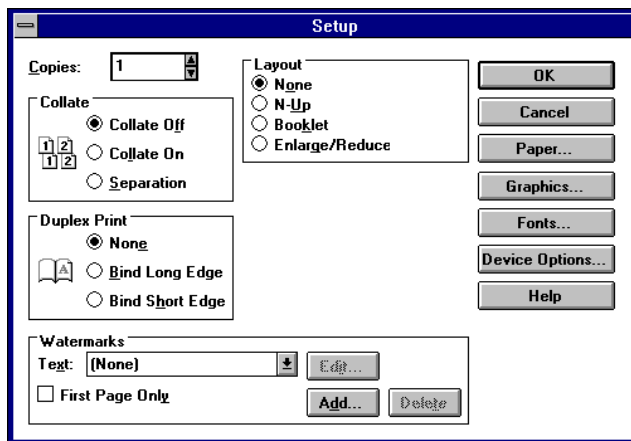
Help

Click this button to display on-line help about the displayed dialog.

Printer Setup Window

The following describes how to make settings using the dialogs that are available in this window.

Setup



Copies

Specifies the number of copies you want to print. You can specify any value from 1 to 999.

Collate

Collate Off: When Collate is off, the printer prints each page of a job the number of times selected in the Copies item. For example, if you send a three-page job to print and set Copies to 2, the printer prints page 1, page 1, page 2, page 2, page 3, page 3.

Collate On: When Collate is on, the printer prints each print job the number of times selected in the Copies item. For example, if you send a three-page job to print and set Copies to 2, the printer prints page 1, page 2, page 3, page 1, page 2, page 3.

Separation: Allows you to insert a blank page between print jobs.

NOTE

If you specify separation, you must also specify **JOB SEPARATION** in the tray 1 paper size setting mode at the control panel.

NOTE

If you specify **Collate On** or **Separation** through the printer driver, be sure to set the collate setting of the application software to **off**.

Duplex Print

Specifies whether to print on both sides of the paper. If you attempt duplex printing, you can choose either Bind Long Edge or Bind Short Edge.

NOTES

- To activate this setting, you must change the setting for Duplex Unit in the Device Option dialog box from “Not Installed” to “Installed”.
- Do not use **special paper** (transparencies, labels, envelopes, letterhead and thick paper) for duplex printing.
- You cannot print on a **custom size smaller than A5 size** for duplex printing.

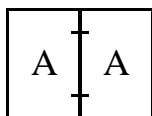
By creating a combination of Bind Long Edge, Bind Short Edge, Portrait, Landscape and N-Up, the printer prints upside down for odd-numbered pages and even numbered pages, or in the same direction for all pages.

	None or 4Up		2Up	
	Long Edge	Short Edge	Long Edge	Short Edge
Portrait	○	●	●	○
Landscape	●	○	○	●

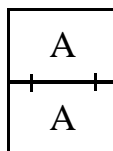
○: same direction ●: upside down

None: Performs one sided printing.

Bind Long Edge: Performs duplex printing for binding along the long edge.



Portrait

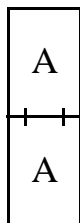


Landscape

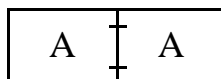
NOTE

When you print on a **custom size** with Bind Long Edge, the Layout function cannot be used.

Bind Short Edge: Performs duplex printing for binding along the short edge.



Portrait



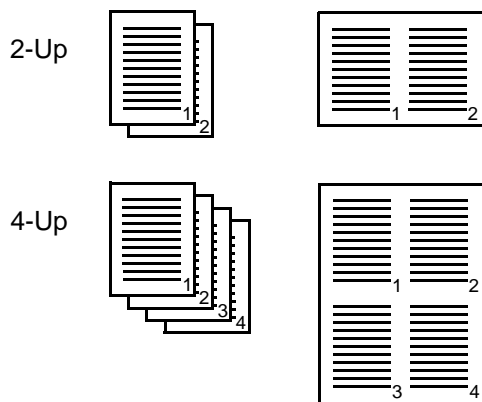
Landscape

Layout

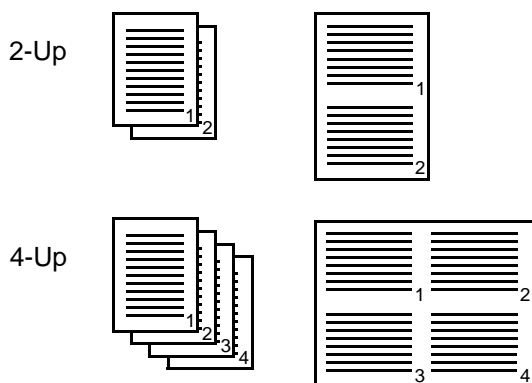
None: No layout specified.

N-Up: Prints either two or four pages on a single sheet of paper.

Example: Portrait orientation.



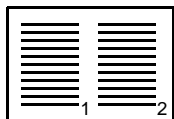
Example: Landscape orientation.



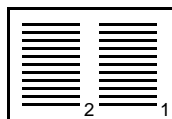
If you select N-Up, the following settings activate.

N-Up Choice: You can select twelve kinds of layouts.

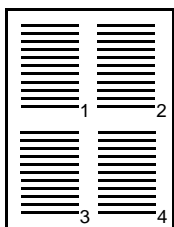
Example: Portrait orientation.



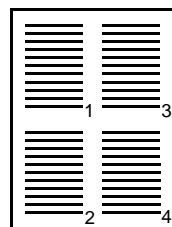
2-Up Ascending



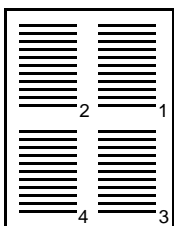
2-Up Descending



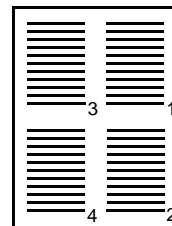
4-Up Hoz. Ascending



4-Up Ver. Ascending

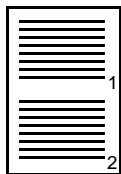


4-Up Hoz. Descending

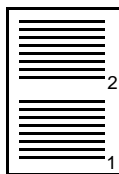


4-Up Ver. Descending

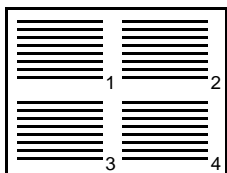
Example: Landscape orientation.



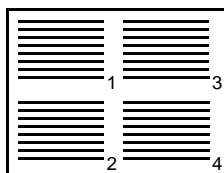
2-Up Ascending



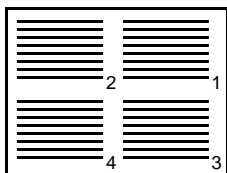
2-Up Descending



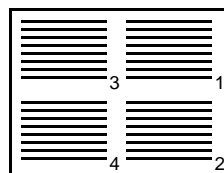
4-Up Hoz. Ascending



4-Up Ver. Ascending



4-Up Hoz. Descending



4-Up Ver. Descending

N-Up Paper: p x n -> paper size.

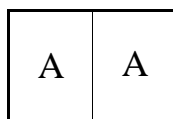
p: the paper size of the document.

n: N-Up

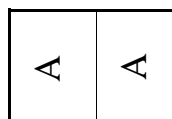
paper size: see “Paper Size” page 3-18.

Border Line: Specifies whether to print a border line.

Booklet: Tells the printer that the printed pages will be bound in the center. Enables booklet printing both for portrait and landscape orientation



Portrait



Landscape

NOTES

- To activate this setting, you must change the setting for Duplex Unit in the Device Option dialog box from “Not Installed” to “Installed”.
- When you perform booklet printing, set the Duplex Print setting in the Setup dialog box to “None”.

If you select Booklet, the following settings activate.

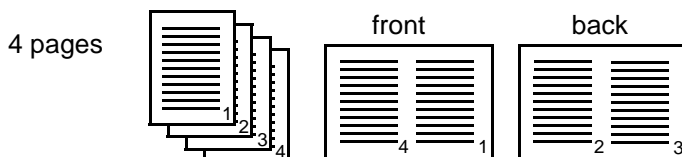
Booklet Choice: You can select either “Left Open” or “Right Open”.

Booklet Paper: p x 2 -> paper size.

p: the paper size of the document.

paper size: see “Paper Size” page 3-18.

Example: Portrait orientation.



Enlarge/Reduce: Performs enlargement or reduction printing according to the paper size you specify.

If you select Enlarge/Reduce, the following settings activate.

Enlarge/Reduce: p -> paper size.

p: the paper size of the document.

paper size: see “Paper Size” page 3-18.

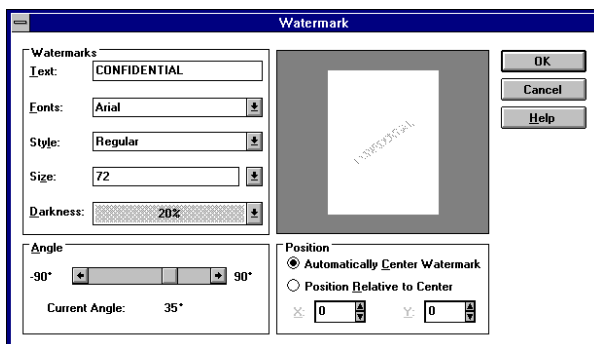
Watermark

Specifies which watermark to use. You will be able to add others, edit or delete the defined watermark.

Text: Lists the available watermarks from which you can select, edit or delete.

First Page Only: Prints the watermark on the first page only.

Click the Add or Edit button to display the Watermark dialog box.



The following settings are available in the Watermark dialog box.

Text: Displays the text of the selected watermark for editing or type in a watermark (up to 64 characters) you want to print.

Fonts: Specifies a font for the watermark you want to print on the page.

Style: Specifies a font style in the box. The font style varies with each font.

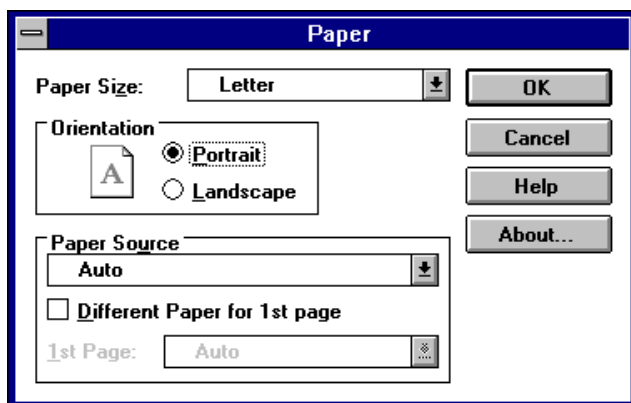
Size: Specifies a font size. You can set the font size between 4 to 127 points. If there is no point size in the box, you input the point size directly from the key pad.

Darkness: Specifies the darkness value of the watermark.

Angle: Specifies the angle at which the watermark will be displayed on the page.

Position: Tells the driver how to position the watermark. Automatically Center Watermark centers the watermark on the page. Position Relative to Center lets you specify x and y coordinates for the watermark relative to the center.

Paper



Paper Size

Specifies the paper size of document data. The following is a list of available paper sizes.

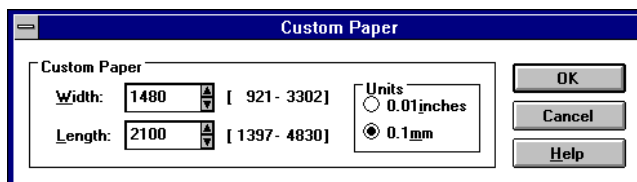
Paper	Size
Letter	8.5 x 11 inch
Ledger	11 x 17 inch
Legal	8.5 x 14 inch
Executive	7.25 x 10.5 inch
A4	210 x 297 mm
A3	297 x 420 mm
B4	257 x 364 mm
JIS B5	182 x 257 mm
COM-10 (envelope)	4.125 x 9.5 inch
DL (envelope)	110 x 220 mm
C5 (envelope)	162 x 229 mm
Monarch (envelope)	3.875 x 7.5 inch
ISO B5 (envelope)	176 x 250 mm
Custom	

Selecting Custom opens a dialog box that can be used to specify a paper size within the following ranges:

Unit	Width	Length
Inch	3.63 to 13.00"	5.50 to 19.02"
Metric	92.1 to 330.2mm	139.7 to 483.0mm

For example: specify A5 size (148 mm x 210 mm).

1. Open the Custom Paper dialog box.
2. Click "0.1 mm" in the Units box.
3. Type in "1480" in the Width box.
4. Type in "2100" in the Length box.
5. Click the OK button.



NOTES

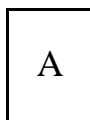
- Do not specify an **envelope size** (COM-10, DL, C5, Monarch and ISO B5) and a **custom size smaller than A5 size** for **duplex printing**.
- When you print on a custom size with the **Bind Long Edge**, the Layout function cannot be used.

Orientation

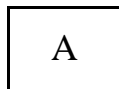
Selects the direction of the print on the page. You can select either Portrait or Landscape.

Portrait: Means the page is taller than it is wide when you view the printed text upright.

Landscape: Means the page is wider than it is tall when you view the printed text upright.



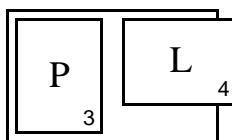
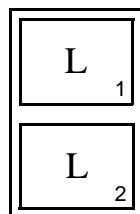
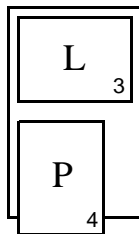
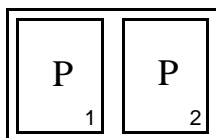
Portrait



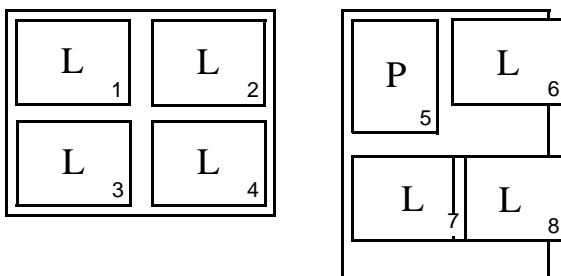
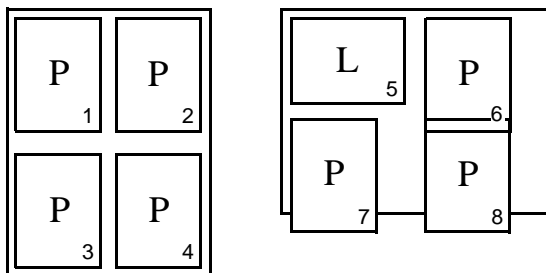
Landscape

When you print with 2-Up or 4-Up, the direction of the print is determined by the orientation setting for the first page for each printed sheet of paper.

For example: Print out 4 pages with 2-Up.

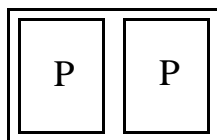


For example: Print out 8 pages with 4-Up.

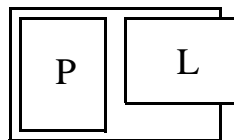


When you perform booklet printing, the direction of the print is determined by the orientation setting for the first page.

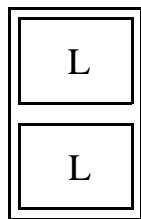
Example:



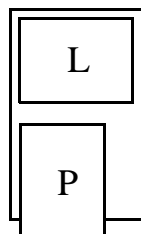
Portrait only.



Mixing Portrait and Landscape
(the first page is Portrait).



Landscape only.



Mixing Portrait and Landscape
(the first page is Landscape).

Paper Source

Specifies the paper source. If Auto is selected, the printer will automatically search all paper trays for the required paper size. At this time, the paper source is selected in the priority order of tray 2, tray 3 and tray 1.

Paper source
Auto
Manual Feed
Manual Feed (Transparency)
Manual Feed (Thin Paper)
Manual Feed (Envelope)
Tray1 (Multipurpose)
Tray2 (Upper)
Tray3 (Lower)

Different Paper for 1st Page: Allows you to feed paper from another tray only for the first page.

NOTES

- If you set the Installable Options setting for tray 3 in the Device Option dialog box to “Installed” in spite of tray 3 not being installed, the prohibition mark for tray 3 will disappear. If you try to print the data with **tray 3**, the printer feeds paper from the tray that you specify as the paper source at the control panel.
- If you try to print the data with **tray 1** or **Manual Feed** in spite of tray 1 being set to **JOB SEPARATION** in the tray 1 paper size setting mode, the printer feeds paper from the tray that you specified as the paper source at the control panel.

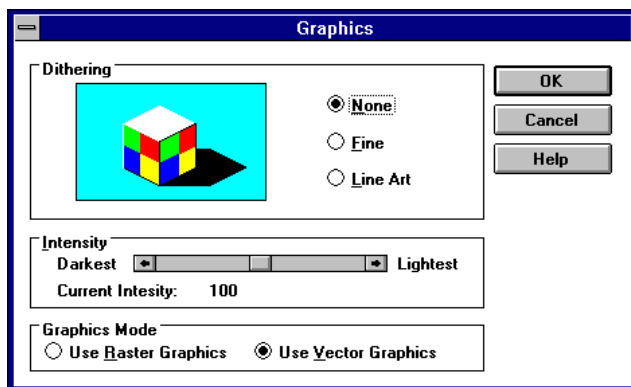
About

Click this button to display version and copyright information.

NOTE

The settings you make here may be overridden by the settings you make with your software application.

Graphics



Dithering

Specifies the type of dithering used in printing. Dithering produces gray shading in graphics

None: Click this button if you don't need any halftoning.

Fine: Click this button for printed images that you want to have a smooth, realistic and photographic appearance. The photographic images setting provides soft contrasts between various shades of gray. This setting also works well for images originally designed with color.

Line Art: Click this button for graphic images with intricate lines and fine detail, like clip art graphics. The Line Art images setting provides solid lines and sharp contrasts between shaded areas.

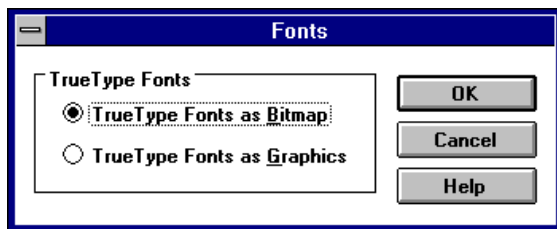
Intensity

Moves this slider left or right to adjust the darkness of the graphic image.

Graphics Mode

With **Use Vector Graphics** in the Graphics Mode, you may be able to shorten the printing time of a document containing some graphics. However, if the printed result is different from what you see on the screen or the printing time is too long, select **Use Raster Graphics** instead.

Fonts



TrueType Fonts

Controls how TrueType fonts are printed.

Generally, downloading TrueType as Bitmaps speeds up printing. However, if your document contains graphics and you are not repeating the same text frequently on a page, use the Print TrueType As Graphics option. This option is also useful if you want to print graphics over text so that only the exposed part of a character is printed, or if you want characters clipped in cases where they are not visible on the screen.

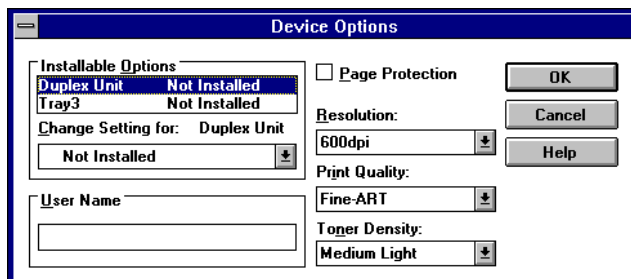
TrueType Fonts as Bitmap: Prints TrueType fonts as bitmap.

TrueType Fonts as Graphics: Prints TrueType fonts as graphics.

NOTE

To activate this setting, you must also specify **Use Raster Graphics** for the Graphics Mode in the Graphics dialog box.

Device Options



Installable Options

Lists the options that are available to you.

Change Setting for

Enables or disables the options available to you.

User Name

Type the user name of the print job up to 8 characters. This is sent with a print job to the printer and displayed in a status message or operator call message.

Page Protection

Page Protection allows you to make sure the entire page is processed before it is printed. If Page Protection is set to ON, printing speed may be slowed. If this option is unavailable, it means that your printer does not have enough memory to use page protection.

Resolution

Select 300 or 600 dpi (dots per inch) as the print resolution. Higher resolution prints more slowly but produces higher-quality graphics, whereas lower resolution prints faster but produces lower-quality graphics.

Print Quality

Specifies the text quality you want to use for your printed document.

Standard: Normal quality printing.

Fine Art: Smooths the jagged edges of the printed image. More effective when printing at 600 dpi.

Toner Save: Toner save allows you to use less toner when printing.

Toner Density

Selects the density of the toner applied to the page. This setting can be fine-adjusted in 7 different steps.

Printing Documents

The way you print documents depends on the application you are using. Most Windows applications include a print command on the File menu that you can use to print the current document. When you print from a Windows application, the application uses the printer driver for your printer.

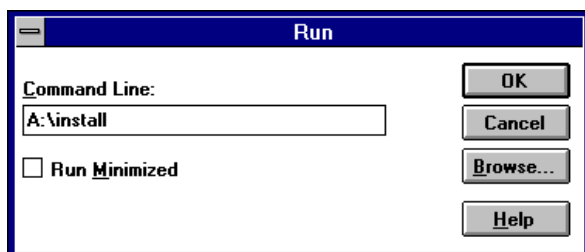
1. To print a document from a Windows application, open the application and the selected document.
2. Click Print from the File menu.
3. After verifying the contents of the printing settings, click the **OK** button. Printing starts.

Installing the Minolta Font Manager

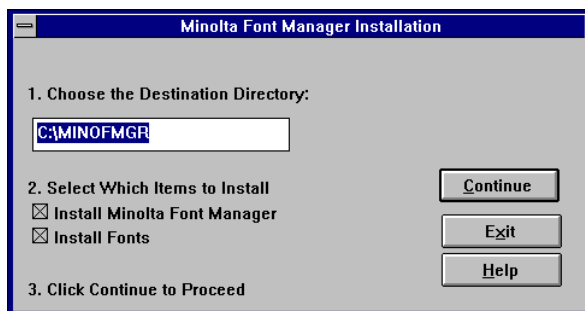
1. Turn on your computer and start up Windows 3.1.
2. Click the **File** menu, then click **Run**.
3. Insert the Minolta Font Manager diskette into your computer's disk drive. At the command prompt, type the drive letter followed by a colon (:), a backslash (\) and the phrase "install". For example:

A:\install

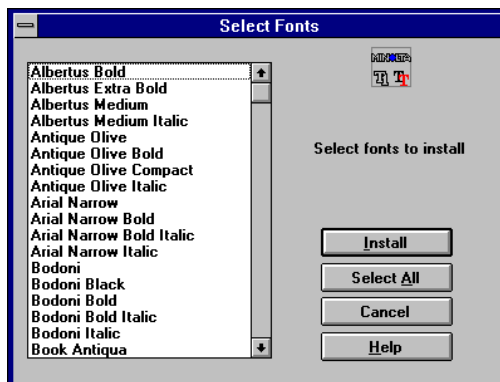
Click the **OK** button.



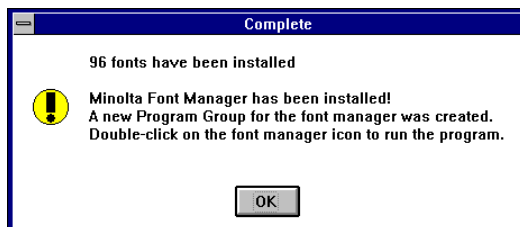
4. Follow the instructions on the screen.
5. The Minolta Font Manager Installation window appears. After verifying any changes you want in the set up, click the **Continue** button.



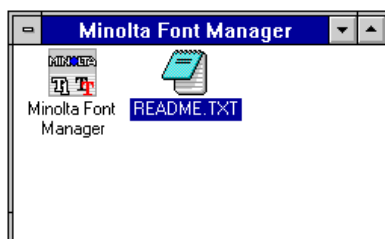
6. The Select Fonts window appears. Select the fonts you want to install, then click the **Install** button to start installation.



7. Click the **OK** button.



8. The following window appears. Installing the Minolta Font Manager is completed.





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